VSR Civil Infra Pvt. Ltd.
#552/B, 6th Main Road, Hanumantanagar, Cell : 9845230975
Bengaluru – 560 019.

Date: 29.10.2020

Job No: VSR/BBMP/SDV/W.No.07/2020-21

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer,** Project Yelahanka Division, BBMP, Bengaluru.

Agency : **Sri. S D Venkatesh Gowda,** Bengaluru.

Name of the work : Improvements to roads and drains in Amruthahalli and surroundings Ward No – 07

Sample ID : Cement Concrete Drain

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	22.10.2020	29.10.2020	7.688	345.6	15.36
2	22.10.2020	29.10.2020	7.789	355.1	15.78
3	22.10.2020	29.10.2020	7.961	368.4	16.37

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#552/B, 6th Main Road, Hanumantanagar, Cell : 9845230975
Bengaluru – 560 019.

Job No: VSR/BBMP/SDV/W.No.07/2020-21

Date: 19.11.2020

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer,** Project Yelahanka Division, BBMP, Bengaluru.

Agency : **Sri. S D Venkatesh Gowda,** Bengaluru.

Name of the work :Improvements to roads and drains in Amruthahalli and surroundings Ward No – 07

Sample ID : Cement Concrete Drain

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	22.10.2020	19.11.2020	7.871	506.3	22.50
2	22.10.2020	19.11.2020	7.947	518.9	23.06
3	22.10.2020	19.11.2020	7.983	526.8	23.41

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Bengaluru – 560 019.

Job No.: VSR/BBMP/SDV/W.No.07/2020-21 Date: 29.10.2020

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer,** Project Yelahanka Division, BBMP, Bengaluru.

Agency : **Sri. S D Venkatesh Gowda,** Bengaluru.

Name of the work :Improvements to roads and drains in Amruthahalli and surroundings Ward No – 07

Sample ID : Cement Concrete Drain

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	22.10.2020	29.10.2020	8.043	346.9	15.42
2	22.10.2020	29.10.2020	8.123	352.6	15.67
3	22.10.2020	29.10.2020	8.214	368.7	16.39

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Bengaluru – 560 019.

Job No: VSR/BBMP/SDV/W No.07/2020-21 Date: 19.11.2020

TEST REPORT ON CONCRETE CUBES

Client : Executive Engineer, Project Yelahanka Division, BBMP, Bengaluru

Agency : Sri. S D Venkatesh Gowda, Bengaluru

Name of the work : Improvements to roads and drains in Amruthahalli and surroundings Ward No – 07

Sample ID : Cement Concrete Drain

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2018)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	22.10.2020	19.11.2020	8.023	497.6	22.12
2	22.10.2020	19.11.2020	8.114	500.1	22.23
3	22.10.2020	19.11.2020	8.234	506.3	22.50

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Bengaluru – 560 019.

Job No.: VSR/BBMP/SDV/W.No.07/2020-21 Date: 29.10.2020

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer,** Project Yelahanka Division, BBMP, Bengaluru.

Agency : **Sri. S D Venkatesh Gowda,** Bengaluru.

Name of the work :Improvements to roads and drains in Amruthahalli and surroundings Ward No – 07

Sample ID : Cement Concrete Drain

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	22.10.2020	29.10.2020	8.096	351.7	15.63
2	22.10.2020	29.10.2020	8.134	369.8	16.44
3	22.10.2020	29.10.2020	8.296	372.3	16.55

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Bengaluru – 560 019.

Date: 19.11.2020

Job No. VSR/BBMP/SDV/W.No.07/2020-21

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer,** Project Yelahanka Division, BBMP, Bengaluru.

Agency : **Sri. S D Venkatesh Gowda,** Bengaluru.

Name of the work :Improvements to roads and drains in Amruthahalli and surroundings Ward No – 07

Sample ID : Cement Concrete Drain

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	22.10.2020	19.11.2020	8.121	509.6	22.65
2	22.10.2020	19.11.2020	8.198	512.3	22.77
3	22.10.2020	19.11.2020	8.264	528.9	23.51

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Bengaluru – 560 019.

Job No: VSR/BBMP/SDV/W.No.07/2020-21

Date: 30.10.2020

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer,** Project Yelahanka Division, BBMP, Bengaluru.

Agency : **Sri. S D Venkatesh Gowda,** Bengaluru.

Name of the work :Improvements to roads and drains in Amruthahalli and surroundings Ward No – 07

Sample ID : Cement Concrete Drain

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	23.10.2020	30.10.2020	8.001	338.9	15.06
2	23.10.2020	30.10.2020	8.114	349.8	15.55
3	23.10.2020	30.10.2020	8.236	351.1	15.61

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Job No.: VSR/BBMP/SDV/W.No.07/2020-21 Date: 20.11.2020

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer,** Project Yelahanka Division, BBMP, Bengaluru.

Agency : **Sri. S D Venkatesh Gowda,** Bengaluru.

Name of the work :Improvements to roads and drains in Amruthahalli and surroundings Ward No – 07

Sample ID : Cement Concrete Drain

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	23.10.2020	20.11.2020	8.169	506.6	22.52
2	23.10.2020	20.11.2020	8.234	512.3	22.77
3	23.10.2020	20.11.2020	8.264	524.6	23.32

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Client : **Executive Engineer,** Project Yelahanka Division, BBMP, Bengaluru.

Agency : **Sri. S D Venkatesh Gowda,** Bengaluru.

Name of the work :Improvements to roads and drains in Amruthahalli and surroundings Ward No – 07

Sample ID : Cement Concrete Drain

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	23.10.2020	30.10.2020	8.198	352.3	15.66
2	23.10.2020	30.10.2020	8.223	361.9	16.08
3	23.10.2020	30.10.2020	8.268	365.8	16.26

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Bengaluru - 560 019.

Date: 20.11.2020

Job No. : VSR/BBMP/SDV/W.No.07/2020-21

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer,** Project Yelahanka Division, BBMP, Bengaluru

Agency : **Sri. S D Venkatesh Gowda,** Bengaluru

Name of the work : Improvements to roads and drains in Amruthahalli and surroundings Ward No – 07

Sample ID : Cement Concrete Drain

Size of cubes : 150mmsx150mmsx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	23.10.2020	20.11.2020	8.023	503.6	22.38
2	23.10.2020	20.11.2020	8.069	519.8	23.10
3	23.10.2020	20.11.2020	8.158	524.9	23.33

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Job No.: VSR/BBMP/SDV/W.No.07/2020-21 Date: 30.10.2020

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer,** Project Yelahanka Division, BBMP, Bengaluru.

Agency : **Sri. S D Venkatesh Gowda,** Bengaluru.

Name of the work :Improvements to roads and drains in Amruthahalli and surroundings Ward No – 07

Sample ID : Cement Concrete Drain

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	23.10.2020	30.10.2020	7.689	356.2	15.83
2	23.10.2020	30.10.2020	7.778	361.2	16.05
3	23.10.2020	30.10.2020	7.898	368.9	16.40

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Job No.: VSR/BBMP/SDV/W.No.07/2020-21 Date: 20.11.2020

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer,** Project Yelahanka Division, BBMP, Bengaluru.

Agency : **Sri. S D Venkatesh Gowda,** Bengaluru.

Name of the work :Improvements to roads and drains in Amruthahalli and surroundings Ward No – 07

Sample ID : Cement Concrete Drain

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	23.10.2020	20.11.2020	7.669	506.6	22.52
2	23.10.2020	20.11.2020	7.789	512.3	22.77
3	23.10.2020	20.11.2020	7.891	524.8	23.32

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Bengaluru – 560 019

Job No: VSR/BBMP/SDV/W No.07/2020-21 Date: 25.11.2020

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer,** Project Yelahanka Division, BBMP, Bengaluru.

Agency : **Sri. S D Venkatesh Gowda,** Bengaluru.

Name of the work : Improvements to roads and drains in Amruthahalli and surroundings Ward No – 07

Sample ID : Cement Concrete Drain

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	18.11.2020	25.11.2020	8.069	342.6	15.23
2	18.11.2020	25.11.2020	8.123	351.6	15.63
3	18.11.2020	25.11.2020	8.245	358.8	15.95

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Job No.: VSR/BBMP/SDV/W.No.07/2020-21 Date: 16.12.2020

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer,** Project Yelahanka Division, BBMP, Bengaluru.

Agency : **Sri. S D Venkatesh Gowda,** Bengaluru.

Name of the work :Improvements to roads and drains in Amruthahalli and surroundings Ward No – 07

Sample ID : Cement Concrete Drain

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	18.11.2020	16.12.2020	8.023	496.3	22.06
2	18.11.2020	16.12.2020	8.113	501.2	22.28
3	18.11.2020	16.12.2020	8.146	512.4	22.77

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Bengaluru – 560 019.

Job No.: VSR/BBMP/SDV/W.No.07/2020-21 Date: 25.11.2020

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer,** Project Yelahanka Division, BBMP, Bengaluru.

Agency : **Sri. S D Venkatesh Gowda,** Bengaluru.

Name of the work :Improvements to roads and drains in Amruthahalli and surroundings Ward No – 07

Sample ID : Cement Concrete Drain

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	18.11.2020	25.11.2020	8.046	343.6	15.27
2	18.11.2020	25.11.2020	8.124	356.2	15.83
3	18.11.2020	25.11.2020	8.236	367.8	16.35

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Job No. VSR/BBMP/SDV/W No.07/2020-21 Date: 16.12.2020

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer,** Project Yelahanka Division, BBMP, Bengaluru.

Agency : **Sri. S D Venkatesh Gowda,** Bengaluru.

Name of the work : Improvements to roads and drains in Amruthahalli and surroundings Ward No – 07

Sample ID : Cement Concrete Drain

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	18.11.2020	16.12.2020	8.011	506.3	22.50
2	18.11.2020	16.12.2020	8.136	512.4	22.77
3	18.11.2020	16.12.2020	8.228	523.3	23.26

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Bengaluru – 560 019.

Job No: VSR/BBMP/SDV/W.No.07/2020-21 Date: 26.11.2020

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer,** Project Yelahanka Division, BBMP, Bengaluru.

Agency : **Sri. S D Venkatesh Gowda,** Bengaluru.

Name of the work :Improvements to roads and drains in Amruthahalli and surroundings Ward No – 07

Sample ID : Cement Concrete Drain

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	19.11.2020	26.11.2020	8.003	356.8	15.86
2	19.11.2020	26.11.2020	8.124	362.7	16.12
3	19.11.2020	26.11.2020	8.289	378.3	16.81

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Ack No. VSR/BBMP/SDV/W.No.07/2020-21 Date: 17.12.2020

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer,** Project Yelahanka Division, BBMP, Bengaluru.

Agency : **Sri. S D Venkatesh Gowda,** Bengaluru.

Name of the work :Improvements to roads and drains in Amruthahalli and surroundings Ward No – 07

Sample ID : Cement Concrete Drain

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	19.11.2020	17.12.2020	8.011	500.3	22.24
2	19.11.2020	17.12.2020	8.158	518.9	23.06
3	19.11.2020	17.12.2020	8.169	522.3	23.21

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Bengaluru – 560 019.

Job No.: VSR/BBMP/SDV/W.No.07/2020-21 Date: 26.11.2020

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer,** Project Yelahanka Division, BBMP, Bengaluru.

Agency : **Sri. S D Venkatesh Gowda,** Bengaluru.

Name of the work :Improvements to roads and drains in Amruthahalli and surroundings Ward No – 07

Sample ID : Cement Concrete Drain

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	19.11.2020	26.11.2020	8.041	346.5	15.40
2	19.11.2020	26.11.2020	8.124	351.1	15.60
3	19.11.2020	26.11.2020	8.234	364.2	16.19

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Job No.: VSR/BBMP/SDV/W.No.07/2020-21 Date: 17.12.2020

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer,** Project Yelahanka Division, BBMP, Bengaluru.

Agency : **Sri. S D Venkatesh Gowda,** Bengaluru.

Name of the work :Improvements to roads and drains in Amruthahalli and surroundings Ward No – 07

Sample ID : Cement Concrete Drain

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

SLNo.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	19.11.2020	17.12.2020	8.008	510.2	22.68
2	19.11.2020	17.12.2020	8.141	519.7	23.10
3	19.11.2020	17.12.2020	8.215	526.3	23.39

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Job No.: VSR/BBMP/SDV/W.No.07/2020-21 Date: 27.11.2020

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer,** Project Yelahanka Division, BBMP, Bengaluru.

Agency : **Sri. S D Venkatesh Gowda,** Bengaluru.

Name of the work :Improvements to roads and drains in Amruthahalli and surroundings Ward No – 07

Sample ID : Cement Concrete Drain

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.11.2020	27.11.2020	7.789	351.2	15.61
2	20.11.2020	27.11.2020	7.812	362.8	16.12
3	20.11.2020	27.11.2020	7.876	379.4	16.86

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Job No.: VSR/BBMP/SDV/W.No.07/2020-21 Date: 18.12.2020

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer,** Project Yelahanka Division, BBMP, Bengaluru.

Agency : **Sri. S D Venkatesh Gowda,** Bengaluru.

Name of the work :Improvements to roads and drains in Amruthahalli and surroundings Ward No – 07

Sample ID : Cement Concrete Drain

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.11.2020	18.12.2020	8.116	507.6	22.56
2	20.11.2020	18.12.2020	8.178	514.6	22.87
3	20.11.2020	18.12.2020	8.198	524.8	23.32

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Job No.: VSR/BBMP/SDV/W.No.07/2020-21 Date: 27.11.2020

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer,** Project Yelahanka Division, BBMP, Bengaluru.

Agency : **Sri. S D Venkatesh Gowda,** Bengaluru.

Name of the work :Improvements to roads and drains in Amruthahalli and surroundings Ward No – 07

Sample ID : Cement Concrete Drain

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.11.2020	27.11.2020	8.002	348.9	15.51
2	20.11.2020	27.11.2020	8.004	356.8	15.86
3	20.11.2020	27.11.2020	8.009	367.4	16.33

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Job No. VSR/BBMP/KSN/ W. No.47/2020-21 Date: 18.12.2020

TEST REPORT ON CONCRETE CUBES

Client : Executive Engineer, Project Velakarika Division, BBMP, Bengaluru

Agency : **Sri. S D Venkatesh Gowda**, Bengaluru

Name of the work : Improvements to roads and drains in Amruthahalli and surroundings Ward No :-07

Sample ID : Cement Concrete Drain

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.11.2020	18.12.2020	8.221	507.6	22.57
2	20.11.2020	18.12.2020	8.232	519.4	23.08
3	20.11.2020	18.12.2020	8.245	521.6	23.18

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Job No. VSR/BBMP/SDV/W.No.07/2020-21 Date: 27.11.2020

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer,** Project Yelahanka Division, BBMP, Bengaluru.

Agency : **Sri. S D Venkatesh Gowda,** Bengaluru.

Name of the work :Improvements to roads and drains in Amruthahalli and surroundings Ward No – 07

Sample ID : Cement Concrete Drain

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.11.2020	27.11.2020	8.121	354.8	15.77
2	20.11.2020	27.11.2020	8.164	368.9	16.40
3	20.11.2020	27.11.2020	8.179	372.3	16.55

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Job No. VSR/BBMP/SDV/W.No.07/2020-21 Date: 18.12.2020

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer,** Project Yelahanka Division, BBMP, Bengaluru.

Agency : **Sri. S D Venkatesh Gowda,** Bengaluru.

Name of the work :Improvements to roads and drains in Amruthahalli and surroundings Ward No – 07

Sample ID : Cement Concrete Drain

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.11.2020	18.12.2020	8.112	507.8	22.57
2	20.11.2020	18.12.2020	8.234	517.9	23.02
3	20.11.2020	18.12.2020	8.268	522.9	23.24

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Job No.: VSR/BBMP/SDV/W.No.07/2020-21 Date: 09.11.2020

PRECAST SLAB 100mm Thick(CORE) TEST REPORT

Client	:	**Executive Engineer, Project Yelahanka Division,** BBMP, Bengaluru.
Contractor	:	**Sri. S D Venkatesh Gowda, Bengaluru.**
Name of Work	:	:Improvements to roads and drains in Amruthahalli and surroundings Ward No – 07
No.of Sample Tested	:	03
Date of Testing	:	09.11.2020
Technical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	:	M_{20}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	75.00	0.342	2322.39	1.50	0.960	34.20	17.42	18.81	18.06	22.57
2	50.00	79.00	0.365	2353.08	1.58	0.960	34.60	17.62	19.03	18.27	22.84
3	50.00	83.00	0.388	2380.80	1.66	0.960	35.00	17.83	19.25	18.48	23.10

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Bengaluru – 560 019.

Job No: VSR/BBMP/SDV/W No 07/2020-21

Date: 09.11.2020

PRECAST SLAB 250mm Thick(CORE) TEST REPORT

Client	:	Executive Engineer, Project Yelahanka Division, BBMP, Bengaluru.
Contractor	:	Sri. S D Venkatesh Gowda, Bengaluru.
Name of Work	:	Improvements to roads and drains in Amruthahalli and surroundings Ward No – 07
No.of Sample Tested	:	03
Date of Testing	:	09.11.2020
Technical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	:	M_{20}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	100.00	175.00	3.260	2371.86	1.75	0.960	134.22	17.09	18.46	17.72	22.15
2	100.00	179.00	3.343	2377.90	1.79	0.960	136.24	17.35	18.73	17.98	22.48
3	100.00	182.00	3.412	2386.97	1.82	0.960	140.36	17.87	19.30	18.53	23.16

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